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DATE MAILED: 12/12/2006

APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/538,395 06/09/2005		Linus S. Lin	21261P 2281				
210	7590	12/12/2006	EXAM	EXAMINER			
MERCK AN	•	IC	VALENROD,	VALENROD, YEVGENY			
P O BOX 200 RAHWAY, 1	_	0907	ART UNIT	PAPER NUMBER			
			1621				

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		Applicant(s)						
Office Action Summary			10/538,395	5	LIN ET AL.	v				
			Examiner		Art Unit					
			Yevgeny Va		1621					
Period fo	The MAILING DATE of this commun or Reply	nication app	ears on the	cover sheet with the c	orrespondence ad	dress				
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this commander period for reply is specified above, the maximum state to reply within the set or extended period for reply reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	MAILING DA s of 37 CFR 1.13 munication. tatutory period w y will, by statute,	ATE OF THI 66(a). In no ever rill apply and will cause the applic	S COMMUNICATION It, however, may a reply be time expire SIX (6) MONTHS from ration to become ABANDONEI	L. lely filed the mailing date of this co (35 U.S.C. § 133).					
Status										
1)	Responsive to communication(s) file	ed on								
	This action is FINAL . 2b)⊠ This action is non-final.									
ت(٥	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
5.0000 in 0.000 dance with the produce under Lx parte Quayle, 1000 0.0. 11, 400 0.0. 210.										
Dispositi	on of Claims					·				
4)⊠	Claim(s) <u>1-21 and 28-38</u> is/are pend	ding in the a	application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.									
5)[)☐ Claim(s) is/are allowed.									
6)□	Claim(s) is/are rejected.									
7)	Claim(s) is/are objected to.			•						
8)⊠	8) Claim(s) 1-21 and 28-38 are subject to restriction and/or election requirement.									
Applicati	on Papers									
9)	The specification is objected to by th	ne Examiner	r.							
10)	The drawing(s) filed on is/are	: a) <u>□</u> acce	epted or b)[objected to by the E	Examiner.					
	Applicant may not request that any obje	/- -	•	•						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).										
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.										
Priority u	ınder 35 U.S.C. § 119									
12)	Acknowledgment is made of a claim ☐ All b) ☐ Some * c) ☐ None of:	_	priority und	er 35 U.S.C. § 119(a)	-(d) or (f).					
	1. Certified copies of the priority documents have been received.									
	2. Certified copies of the priority documents have been received in Application No									
	3. Copies of the certified copies of the priority documents have been received in this National Stage									
	application from the International Bureau (PCT Rule 17.2(a)).									
* See the attached detailed Office action for a list of the certified copies not received.										
Attachmen										
1) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F	PTO-049\		 Interview Summary Paper No(s)/Mail Da 						
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application										
Paper No(s)/Mail Date 6) Other:										

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-14, 21, 28-31, 37-38, drawn to a compound of formula (I) where R⁵ is attached to the amide group by a Carbon atom and R⁶ is alkyl, alkenyl, alkynyl, halogen or CN.

Group II, claim(s) 1-14, 21, 28-31, 37-38, drawn to a compound of formula (I) where R⁵ is attached to the amide group by an Oxygen atom and R⁶ is alkyl, alkenyl, alkynyl, halogen or CN.

Group III, claim(s) 1-14, 21, 28-31, 37-38, drawn to a compound of formula (I) where R⁵ is attached to the amide group by a Sulfur atom.

Group IV, claim(s) 1-14, 21, 28-31, 37-38, drawn to a compound of formula (I) where R⁵ is attached to the amide group by a Nitrogen atom and R⁶ is alkyl, alkenyl, alkynyl, halogen or CN.

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Group V, claim(s) 1-14, 21, 28-31, 37-38, drawn to a compound of formula (I) where R⁵ is attached to the amide group by a Carbon atom and R⁶ is –OR^d or –NR^dR^c.

Group VI, claim(s) 1-14, 21, 28-31, 37-38, drawn to a compound of formula (I) where R⁵ is attached to the amide group by an Oxygen atom and R⁶ is –OR^d or –NR^dR^c.

Group VII, claim(s) 1-14, 21, 28-31, 37-38, drawn to a compound of formula (I) where R⁵ is attached to the amide group by a Nitrogen atom and R⁶ is –OR^d or –NR^dR^c.

Group VIII, claim(s) 15-20 and 32-36 (in part), drawn to a method of treating a disease using the compound of group I.

Group IX, claim(s) 15-20 and 32-36 (in part), drawn to a method of treating a disease using the compound of group II.

Group X, claim(s) 15-20 and 32-36 (in part), drawn to a method of treating a disease using the compound of group III.

Group XI, claim(s) 15-20 and 32-36 (in part), drawn to a method of treating a disease using the compound of group IV.

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Group XII, claim(s) 15-20 and 32-36 (in part), drawn to a method of treating a disease using the compound of group V.

Group XIII, claim(s) 15-20 and 32-36 (in part), drawn to a method of treating a disease using the compound of group VI.

Group XIV, claim(s) 15-20 and 32-36 (in part), drawn to a method of treating a disease using the compound of group VII.

The inventions listed as Groups I - XIV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the corresponding technical feature between the inventions is the core structure of the compound of formula I. The said core structure comprises an amide and an N-ethyl substituent. The N-ethyl substituent is β -substituted by two aryl groups, or two heteroaryl groups, or one aryl the other heteroaryl groups. The corresponding technical feature based on the core structure of the compound of formula (I) does not constitute a special technical feature which makes over the prior art. The said core structure has been disclosed by Canonica et al. (*Gazzetta Chimica Italiana*, **1954**, *84* 175-86. See attached CA PLUS printout).

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The examiner has required restriction between product and process claims.

Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder.

All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

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A telephone call was made to Catherine Fitch on 12/05/06 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yevgeny Valenrod whose telephone number is 571-272-9049. The examiner can normally be reached on 8:30am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman Page can be reached on 571-272-0602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Yevgeny Valenrod Patent Examiner

Technology Center 1600

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upervisory Patent Examiner

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